Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/25/2018 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124302	-1	1.33	124184	1.31
Blue	F	SSC	125000	123793	-1	3.07	124074	2.87
Blue	E	FITC	23615	22806	-4	2.54	1012	11.03
Blue	D	PE	26739	26293	-2	2.04	945	10.54
Blue	B	PerCP-Cy5-5	48339	47805	-2	3.58	1381	17.76
Blue	A	PE-Cy7	45021	44675	-1	5.28	684	37.87
Red	C	APC	53064	52028	-2	2.75	2981	9.75
Red	A	APC-Cy7	57175	56352	-2	2.71	1171	11.37
Violet	B	V450	14728	14167	-4	5.76	678	10.22
Violet	A	V500	58621	57470	-2	5.68	2534	7.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19632	2.40	617	3	N/A	N/A	Pass
Blue	F	SSC	61146	1.52	565	19	N/A	N/A	Pass
Blue	E	FITC	115	41.37	553	5	0.0179	186	Pass
Blue	D	PE	207	30.81	544	8	0.1350	224	Pass
Blue	B	PerCP-Cy5-5	213	47.56	644	9	0.0090	96	Pass
Blue	A	PE-Cy7	72	131.79	701	8	0.0106	20	Pass
Red	C	APC	341	29.35	600	3	0.0191	93	Pass
Red	A	APC-Cy7	128	41.78	583	3	0.0053	1783	Pass
Violet	B	V450	82	44.82	469	-1	0.0424	2007	Pass
Violet	A	V500	185	25.22	496	-1	0.0160	1267	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.55	-31.16	0.95
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.88	14.40 - 21.60	N/A	N/A	30.95	31.41	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10970

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments